



CANTERBURY
COLLEGE

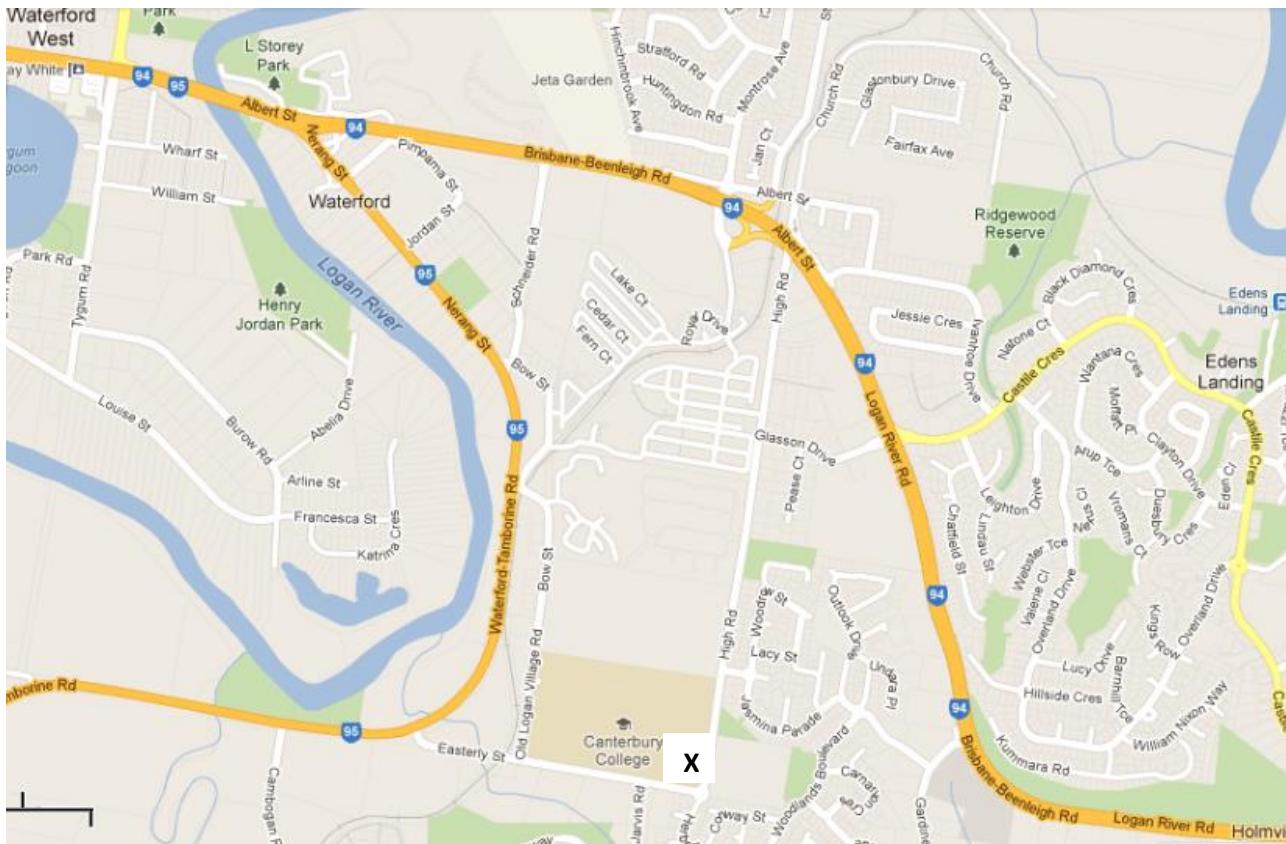
Mathematics Teams Challenge 2016

Timetable

- 10:00 Arrival time at the Canterbury Events Centre and seating of teams
10:30 Welcome and explanation of the team event
10:45 Team event
11:30 Collection of papers
11:35 Lunch
12:10 Seating of teams
12:15 Results for team event
12:20 Explanation of relay event
12:30 Relay event
1:30 Collection of papers
1:45 Results and presentation of winners
2:00 Finish

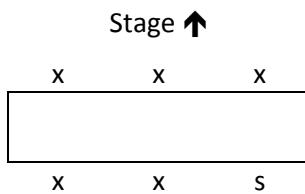
Location

The event will be held in the Canterbury Events Centre, Canterbury College, Waterford. The entrance is on High Road about 50 m north of the intersection with Easterly Street (X on the map below).



Arrival

On arrival, teams may enter the hall, find their tables and sit down. Tables will be marked with School, Division and Team Number, e.g. *Holmview State High School – Junior – Team B*. Supervisors should initially sit with their own teams as shown below.



Supervisors will then be asked to move to a different table so that they are supervising a team from a different school. Supervisors will be handed an envelope which contains all the question and answer sheets required for the competition. The sheets will be colour coded for ease of reference.

Team Event

When instructed, supervisors should place a Team Event question sheet (white) face down in front of each student and a student response sheet face up in the centre of the table. The answer sheet (green) should stay in the envelope. One of the students should write the team name on the student response sheet.

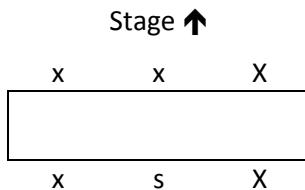
On the word ‘GO’, students may work individually or together to answer as many of the questions as they can and write their answers on the student response sheet. They have 45 minutes. Time will be called at 40 minutes and at 44 minutes. Supervisors should check that there is no contact between teams, no use of phones or other sources of information. Students may use calculators, however. Four-function, scientific, graphics and CAS are all allowed.

On the word ‘STOP’ the supervisor should pick up the students’ response sheet and mark it against the green answer sheet, giving the appropriate number of marks for each question. The total score should then be calculated and recorded. A member of the team should watch to ensure that the paper is marked correctly. Once the supervisor and team have agreed on the score, the supervisor should ensure that the team name is on the response sheet and hold it up to be collected.

Supervisors may then discuss any of the questions with the team. Once all the papers have been collected, the teams will be invited to leave the hall for lunch. Supervisors will be fed. Sausages and drinks will be available for purchase by team members.

Relay Event

After lunch, teams and supervisors should return to the same tables that they worked at during the team event. This time, however, they should be arranged as shown below.



The student opposite the supervisor is the contact person; the pair on the supervisor’s left are *the left pair*; the pair on the supervisor’s right are *the right pair*.

When instructed, the supervisor will take the relay questions (20 strips of white paper paperclipped together) and the answer sheet (pink) from the envelope and place them face down in front of him/her.

On the word 'GO', the supervisor will hand the top question strip to the contact person. The contact person will then hand it to the left pair. The left pair may then work on the question for as long as they like. When they have an answer, they write it on the strip and pass it to the contact person, who hands it to the supervisor.

The supervisor then checks whether the answer is correct, being careful not to let anyone else (including people on other tables) see the answers.

If it is correct, the supervisor says 'CORRECT', then hands the contact person the second question and the contact person hands the question to the right pair. Then the supervisor places a tick in the first box on the answer sheet and records the number of marks for that question and the cumulative score.

If the answer is incorrect, the supervisor hands the question back to the contact person and says 'INCORRECT'. The contact person may hand the question back to the **same pair** for another go. Then the process repeats. Each time a wrong answer is submitted, the supervisor places a cross in the next box for that question and the value of the questions reduces by 1.

At any stage, the contact person, may instead say 'PASS' and hand the question back to the supervisor, in which case the supervisor hands the next question to the contact person for the next pair. The supervisor then records 0 for that question. Once passed, a question cannot be retried later. After passing, the pair may discuss the question with the supervisor.

No students other than the assigned pair may play any part in answering a question. All members of the team may, however, discuss whether the pair should have another go after getting a question wrong.

Question 1 goes to the left pair, Question 2 to the right pair, Question 3 to the left pair and so on. After every 4 questions, the team stands up and moves one place clockwise around the table. The supervisor stays put. Thus each team member will get equal time in each position.

The team has 60 minutes to get as many points as possible. If they run out of time before trying all the questions, they do not get any points for the remaining questions; if they finish the questions before the end of the 60 minutes, they cannot revisit any questions. Keeping an eye on the time is an important strategy and can be done by the pair that is not answering the question.

Time will be called at 55 minutes and at 59 minutes. Once 'STOP' has been called, the supervisor should add no more points to the score sheet. The supervisor then shows the sheet to the team who may check for errors in adding etc. Once agreement is reached, the supervisor should hold up the sheet for collection.

Teams should then remain seated while the results are calculated. Supervisors may return to their own teams.

After

The winning team in each division will be presented with a shield and members of the top three teams in each division will be presented with medallions.